| Index of Claims |  |
|-----------------|--|
|                 |  |

| Application No. | Applicant(s) | _ |
|-----------------|--------------|---|
| 10/717,947      | SHIH, LEO    |   |
| Examiner        | Art Unit     |   |
| Bryon P. Gehman | 3728         |   |

| <b>√</b> | Rejected |
|----------|----------|
| II       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|               |                                                                                                                                                   |              |                                                  |          |          |              |              | į            |          |                 |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--------------------------------------------------|----------|----------|--------------|--------------|--------------|----------|-----------------|
|               |                                                                                                                                                   |              |                                                  |          |          |              |              |              |          | _               |
| Cla           | im                                                                                                                                                | L.,          |                                                  |          | [        | Date         |              |              |          |                 |
| Final         | Original                                                                                                                                          | 3/04         | 4/18/05                                          | 9/12/05  | 4/18/06  |              |              |              |          |                 |
| 1             | Orig                                                                                                                                              | 12/13/04     | 4/18                                             | 9/12     | 4/18     |              |              |              |          |                 |
| l i           | 1                                                                                                                                                 | ~            | 1                                                | 7        | 11       |              |              |              |          |                 |
| 2             | 2                                                                                                                                                 | $\mp$        | î                                                | ī        | 1        |              | _            |              |          |                 |
| 3             | 3                                                                                                                                                 | П            | Т                                                | П        | Т        |              |              |              |          |                 |
| 4             | 4                                                                                                                                                 | 7            | Т                                                | П        |          |              |              |              |          |                 |
| 5             | 5                                                                                                                                                 |              | $\top$                                           | T        | T        |              |              |              |          |                 |
| la            | 6                                                                                                                                                 |              | 7                                                | 1        | T        |              |              |              |          |                 |
| 1 2 3 4 5 9 7 | 7                                                                                                                                                 |              | 7                                                | 1        | 11       |              |              |              |          |                 |
|               | 1<br>2<br>3<br>4<br>5<br>6<br>7<br>8                                                                                                              |              |                                                  |          |          |              |              |              | -        |                 |
|               | 9                                                                                                                                                 |              |                                                  |          |          |              |              |              |          |                 |
|               | 10                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 11                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 12                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 9<br>10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31<br>32<br>33 |              |                                                  |          |          |              |              |              |          |                 |
|               | 14                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 15                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 16                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 17                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 18                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 19                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 20                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 21                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 22                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 23                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
|               | 24                                                                                                                                                |              | _                                                |          |          |              |              |              |          | Ш               |
|               | 25                                                                                                                                                |              | _                                                |          | _        |              |              |              |          |                 |
|               | 26                                                                                                                                                |              | Ш                                                |          |          |              |              |              |          |                 |
|               | 27                                                                                                                                                |              |                                                  |          | _        |              |              |              |          |                 |
| <u> </u>      | 28                                                                                                                                                |              |                                                  |          |          |              |              |              |          |                 |
| <u></u>       | 29                                                                                                                                                |              | _                                                |          |          |              |              |              |          |                 |
|               | 30                                                                                                                                                |              |                                                  |          |          |              |              |              |          | Ш               |
|               | 31                                                                                                                                                | Щ            |                                                  | _        | _        | _            | _            | _            |          |                 |
| <u> </u>      | 32                                                                                                                                                | Щ            | _                                                | <u> </u> | oxdot    | <u> </u>     | $\vdash$     | _            | Ш        |                 |
| L             | 33                                                                                                                                                |              | <u> </u>                                         | L        | $\vdash$ | <u> </u>     | Щ            | L            | Щ        | Щ               |
| <u> </u>      | 34                                                                                                                                                | $\vdash$     |                                                  | <u> </u> | _        | <u> </u>     | <u> </u>     | <u> </u>     | $\vdash$ | <u> </u>        |
| <u></u>       | 34<br>35<br>36<br>37<br>38                                                                                                                        | _            | _                                                | $\vdash$ |          | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u> | Щ               |
| <u> </u>      | 36                                                                                                                                                | <u> </u>     | <u> </u>                                         | <u> </u> | <u> </u> | $\vdash$     | $\vdash$     | <u> </u>     | <u> </u> | Щ               |
| <u> </u>      | 3/                                                                                                                                                | $\vdash$     | <u> </u>                                         | ├        | <u> </u> | <u> </u>     | <u> </u>     |              | ├-       | $\vdash \vdash$ |
| <u> </u>      | 38                                                                                                                                                | -            | <u> </u>                                         | ├        | <u> </u> | <u> </u>     | ⊢-           |              | ├-       | $\vdash \vdash$ |
| <u> </u>      | 39                                                                                                                                                | -            |                                                  | ├-       | ├        | <u> </u>     | <u> </u>     | <u> </u>     | $\vdash$ | $\vdash \vdash$ |
| <del></del>   | 40                                                                                                                                                | -            | -                                                | ├-       | ├        | $\vdash$     | -            | ├-           | $\vdash$ | $\vdash \vdash$ |
| <u> </u>      | 41                                                                                                                                                | $\vdash$     | -                                                | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$     | $\vdash$ | dash            |
| -             | 42<br>43                                                                                                                                          | $\vdash$     |                                                  | $\vdash$ |          | $\vdash$     | -            | $\vdash$     | -        | Н               |
| -             |                                                                                                                                                   | ├            | ├-                                               | -        | ├-       | ├            | <del> </del> | ├            | $\vdash$ | $\vdash \vdash$ |
| <u> </u>      | 44<br>45                                                                                                                                          | ├            |                                                  | ├        | -        | <del> </del> | ├            | <del> </del> | ├        | $\vdash \vdash$ |
| <u> </u>      | 45                                                                                                                                                | ┢            |                                                  | $\vdash$ | -        |              | ├            |              | ├        | $\vdash\vdash$  |
| <del></del>   | 47                                                                                                                                                | <del> </del> | $\vdash$                                         | -        | ├        | ├            | $\vdash$     | -            | $\vdash$ | $\vdash$        |
| <u> </u>      | 48                                                                                                                                                | ├            | ├                                                | -        | ├─       | -            | ├─           |              | $\vdash$ | $\vdash$        |
| <b>—</b>      | 49                                                                                                                                                | -            | <del>                                     </del> | $\vdash$ | -        | -            | -            | ├            | $\vdash$ | $\vdash$        |
| <b>⊢</b>      | <del></del>                                                                                                                                       | <u> </u>     | <u> </u>                                         | <u> </u> | ⊢        | <u> </u>     | <del> </del> | ⊢            | ⊢-       | $\vdash$        |

| Cla      | Claim    |          |          |                                                  |          | Date                                             | •                                                |                                                  |                | $\neg$          |
|----------|----------|----------|----------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|----------------|-----------------|
|          |          |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
| ᅙ        | Original |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
| Final    | Ę.       |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
|          | 0        |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
| <b></b>  | 51       | ┝        | -        | ├-                                               |          | _                                                | _                                                |                                                  |                | $\vdash$        |
|          | 51       | ├-       | ├─       | ├                                                | _        |                                                  |                                                  | _                                                | ├              | Н               |
|          | 52<br>53 | <u> </u> | <u> </u> | <u> </u>                                         | _        |                                                  |                                                  |                                                  | $\vdash$       | Ш               |
| L        | 53       | L_       |          |                                                  |          |                                                  |                                                  |                                                  | Ш              | Ш               |
|          | 54       |          |          |                                                  |          |                                                  |                                                  |                                                  |                | ئلال            |
|          | 55       |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
|          | 56       |          |          | Г                                                |          |                                                  |                                                  |                                                  |                |                 |
|          | 57       | _        | Т        | $\vdash$                                         |          |                                                  |                                                  |                                                  |                | П               |
|          | 58       | ┢        | H        | Т                                                |          |                                                  | _                                                |                                                  |                | H               |
| <b>—</b> | 59       | Ι-       | -        |                                                  | _        | _                                                |                                                  |                                                  | H              | Н               |
|          | 60       | ├-       | -        | ├─                                               | _        |                                                  | _                                                | _                                                |                | Н               |
| <b></b>  | 00       | ├        | -        | -                                                | _        | _                                                | _                                                | -                                                |                | Н               |
| ļ        | 61       | <u> </u> |          | <u> </u>                                         |          |                                                  |                                                  |                                                  |                | Щ               |
| ļ        | 62       | L        |          |                                                  | _        | _                                                |                                                  |                                                  |                | Щ               |
|          | 63       | <u> </u> | _        | <u> </u>                                         |          |                                                  |                                                  |                                                  |                | Ш               |
|          | 64       |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
|          | 65       |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
|          | 66       |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
|          | 67       |          |          |                                                  | -        | _                                                |                                                  |                                                  |                | М               |
|          | 68       | $\vdash$ |          | $\vdash$                                         | _        |                                                  |                                                  | _                                                | $\vdash$       | Н               |
| $\vdash$ | 69       | ┝        | -        | $\vdash$                                         |          | _                                                |                                                  |                                                  | H              | $\vdash \dashv$ |
| $\vdash$ | 70       | $\vdash$ | $\vdash$ | $\vdash$                                         |          | _                                                | -                                                | <del> -</del>                                    | -              | $\dashv$        |
| $\vdash$ |          | ⊢        |          | ⊢                                                |          | _                                                | -                                                |                                                  | ⊢              | Н               |
| _        | 71       |          |          | <u> </u>                                         |          |                                                  |                                                  | <u> </u>                                         | <u> </u>       | Ш               |
|          | 72       |          | L.       |                                                  |          |                                                  |                                                  | <u> </u>                                         | <u> </u>       | Ш               |
|          | 73       |          |          |                                                  |          |                                                  |                                                  | L                                                |                | Ш               |
|          | 74       |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
| 1        | 75       |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
| $\Box$   | 76       |          |          |                                                  |          |                                                  |                                                  |                                                  |                | П               |
|          | 77       |          |          |                                                  |          |                                                  |                                                  |                                                  |                | П               |
|          | 78       |          |          |                                                  | Г        |                                                  |                                                  |                                                  | Г              | Н               |
| <u> </u> | 79       | ┢        | $\vdash$ | <del>                                     </del> | Н        |                                                  |                                                  |                                                  | H              | Н               |
|          | 80       | $\vdash$ | $\vdash$ | -                                                | $\vdash$ | _                                                |                                                  | _                                                | H              | Н               |
|          | 81       | ┢        | ┢        | _                                                | ┝        | _                                                |                                                  | _                                                | H              | Н               |
| <b></b>  | 01       | -        | ┝        | -                                                | ⊢        | _                                                | <u> </u>                                         | H                                                | $\vdash$       | Н               |
| ⊢        | 82       | _        | <u> </u> | ⊢                                                | <u> </u> | $\vdash$                                         | _                                                | H                                                | _              | $\vdash$        |
| <u> </u> | 83       |          |          | _                                                | _        |                                                  |                                                  | ╙                                                | <u> </u>       |                 |
| <u></u>  | 84       |          | _        | L_                                               | <u> </u> |                                                  |                                                  | <u> </u>                                         | <u> </u>       | Ш               |
| <u></u>  | 85       | <u> </u> |          | L                                                |          | <u> </u>                                         |                                                  | <u> </u>                                         |                | Ш               |
|          | 86       |          | L        | L                                                | $\Box$   |                                                  | L                                                | $\Box$                                           | _              | Ш               |
|          | 87       |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
|          | 88       |          |          |                                                  | Г        |                                                  | Г                                                |                                                  |                |                 |
|          | 89       |          |          | T                                                |          | _                                                | $\vdash$                                         | _                                                | Т              |                 |
|          | 90       | T        |          |                                                  |          | $\vdash$                                         | <del>                                     </del> | ऻ                                                |                | М               |
|          | -        | 1        | ┢        | t                                                | -        | -                                                | _                                                |                                                  | $\vdash$       | Н               |
| <b>—</b> | 91       | $\vdash$ | $\vdash$ | $\vdash$                                         |          | <del>                                     </del> | $\vdash$                                         | <del>                                     </del> | <del>  -</del> | Н               |
| $\vdash$ |          | H        | ⊢        | -                                                | $\vdash$ |                                                  | ├                                                | $\vdash$                                         | $\vdash$       | Н               |
|          | 93       | ├-       | ├-       | ├                                                | -        | <u> </u>                                         | <u> </u>                                         | ⊢                                                | ├-             | $\vdash \vdash$ |
| <u> </u> | 94       | <u> </u> | -        | <del> </del>                                     | <u> </u> | <u> </u>                                         |                                                  | <b>!</b>                                         | <u> </u>       | Ш               |
| <u></u>  | 95       | _        |          | $\vdash$                                         | <u> </u> | _                                                | L.                                               | _                                                |                | Ш               |
|          | 96       | L        | L        |                                                  | L        | L                                                | L                                                | L                                                | L              | ot              |
| -        | 97       |          |          |                                                  |          |                                                  |                                                  |                                                  |                |                 |
|          | 98       |          | Γ        | Γ                                                |          | $\Box$                                           |                                                  |                                                  |                | П               |
|          | 99       |          |          | Π                                                |          | Г                                                | Г                                                | П                                                | $I^-$          | П               |
|          | 100      |          | 1        | Т                                                | Г        | $\vdash$                                         | ┰                                                | T                                                | Г              | Н               |
|          | 1 100    |          | Ц_       |                                                  | Щ.       | Щ.                                               | Ц.                                               | Щ                                                | 1              |                 |

| Claim         Date           E         D           101         02           103         04           105         06           107         08           109         09           110         09           111         09           113         09           114         09           115         09           118         09           119         09           110         09           111         09           110         09           111         09           111         09           112         09           113         09           114         09           115         09           116         09           117         09           118         09           119         09           120         09           121         09           122         09           123         09           124         09           125         09           120         09                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |     |          |          |              | _            |                                |    |              | '        |                 |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----|----------|----------|--------------|--------------|--------------------------------|----|--------------|----------|-----------------|--|
| Teal   | Claim |     | Date     |          |              |              |                                |    |              |          |                 |  |
| 103   104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149   149   148   149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       |     |          |          |              |              |                                |    |              |          |                 |  |
| 103   104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149   149   148   149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 101 |          | _        | _            |              |                                |    |              |          |                 |  |
| 103   104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149   149   148   149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 102 |          |          |              |              |                                |    |              |          |                 |  |
| 105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   148   149   149   148   149   149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 103 |          |          |              |              |                                |    |              |          |                 |  |
| 106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149   149   148   149   149   148   149   149   148   149   149   148   149   149   148   149   149   144   145   148   149   149   149   149   149   149   149   149   144   145   146   147   148   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   140   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   149   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140   140 |       | 104 | Щ        | _        | Щ            |              |                                | _  |              |          |                 |  |
| 107<br>108<br>109<br>110<br>111<br>111<br>112<br>113<br>114<br>115<br>116<br>117<br>118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       | 105 | Н        | _        | _            |              | -                              |    |              |          | $\dashv$        |  |
| 108         109         110         111         112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |     |          |          |              |              |                                |    |              |          | $\dashv$        |  |
| 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146 147 148 149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | 108 | $\vdash$ | -        |              | _            |                                |    |              | -        | $\dashv$        |  |
| 110         111         112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | 109 |          |          |              |              |                                |    |              | _        | $\neg$          |  |
| 112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | 110 |          |          |              |              |                                |    |              |          |                 |  |
| 113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 111 |          |          |              |              |                                |    |              |          |                 |  |
| 114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | 112 |          |          | Ш            |              |                                |    |              |          |                 |  |
| 115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 113 |          |          |              |              |                                |    |              |          |                 |  |
| 116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | 114 |          | _        | $\vdash$     |              |                                |    |              |          |                 |  |
| 117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 115 | Н        | _        | -            | _            | _                              |    | -            |          |                 |  |
| 118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146         147         148         149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | 117 | Н        |          | Н            | -            | -                              |    | _            |          |                 |  |
| 119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 118 | H        |          | Н            |              |                                |    | _            | _        |                 |  |
| 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 142 143 144 145 146 147 148 149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 119 |          |          |              |              |                                |    |              |          | $\neg$          |  |
| 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |       | 120 |          |          |              |              |                                |    |              |          |                 |  |
| 123                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 121 |          |          |              |              |                                |    |              |          |                 |  |
| 125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | 122 |          |          |              |              |                                |    |              |          |                 |  |
| 125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   148   149   149   149   149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |       | 123 | Ш        |          |              |              |                                |    |              |          |                 |  |
| 126 127 128 129 130 131 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 124 | -        | _        | _            |              |                                |    |              |          | $\dashv$        |  |
| 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 125 |          |          |              |              |                                |    |              |          | Н               |  |
| 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 127 |          | _        | <del> </del> | _            |                                |    |              | _        |                 |  |
| 129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | 128 |          |          | $\vdash$     |              |                                |    | _            | _        |                 |  |
| 131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       | 129 |          | ,        |              |              |                                |    |              |          |                 |  |
| 132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |       |     |          |          |              |              |                                |    |              |          |                 |  |
| 133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 131 | _        |          | _            |              |                                |    |              |          | Щ               |  |
| 134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |       | 132 | $\vdash$ | _        | _            | _            | _                              |    | ldash        |          | Щ               |  |
| 135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |       | 133 | $\vdash$ | $\vdash$ |              |              | -                              |    |              |          | $\dashv$        |  |
| 136                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       | 135 |          | -        |              |              |                                | -  |              | H        | Н               |  |
| 137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       |     | -        |          |              |              |                                |    |              |          | $\dashv$        |  |
| 138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |       | 137 |          |          |              |              |                                |    |              |          |                 |  |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |       | 138 |          |          |              |              |                                |    |              |          |                 |  |
| 141<br>142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |       | 139 |          |          |              |              |                                |    |              |          |                 |  |
| 142<br>143<br>144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |       | 140 |          | L_       |              |              | _                              |    |              |          | $\Box$          |  |
| 143                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |     | <u> </u> | <u> </u> | _            | <u> </u>     |                                |    |              | <u> </u> |                 |  |
| 144<br>145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |       |     | $\vdash$ | $\vdash$ | ⊢            | $\vdash$     |                                |    | L            | $\vdash$ | Н               |  |
| 145<br>146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       |     | -        |          | $\vdash$     | <del> </del> | $\vdash$                       | H  |              | $\vdash$ | Н               |  |
| 146<br>147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |       |     | H        | -        | $\vdash$     | $\vdash$     | H                              | -  | <del> </del> | $\vdash$ | $\vdash \vdash$ |  |
| 147<br>148<br>149                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |       |     | Т        |          | $\vdash$     |              | 1                              | Η- |              | _        | H               |  |
| 148                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |     |          |          |              |              |                                |    |              | ļ        |                 |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | 148 |          |          |              |              |                                |    |              |          |                 |  |
| 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |       |     | L        | Ĺ        | 匚            | Ĺ            | $oxedsymbol{oxedsymbol{oxed}}$ | Ĺ  |              |          | Ш               |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |       | 150 | <u> </u> | L_       |              |              |                                | L_ |              | L        |                 |  |